

## Marten Epoxy Top Coat 647

**Description** A two component solvent coating system based on epoxy resin and polyamide curing agent.

### Principal uses

- For interior and external use.
- Good abrasion and impact resistance.
- Good flow properties.
- Good water resistance.
- Excellent resistance to acids, alkalis, salts, solvents, and water.
- Easy to Resistant to splash and spillage of mild chemical and solvents.
- Easy to clean.

### Characteristics

**Color** : Grey – or according to Martensons' color card  
**Finish** : Gloss  
**Specific gravity** : Approx. 1.16 g /cm<sup>3</sup>  
**Volume solids ( % )** : Approx. 45 - 46 %  
**Theoretical coverage** : Approx. 9 - 10 m<sup>2</sup> / lt. ( 50 µm )  
Depends upon substrate condition and method of application .  
**Drying time** : Approx. 4 – 5 hours.  
**Overcoat interval** : Min. overnight.  
**Mixing ratio** : 3:1 base : hardener  
**Shelf life** : 12 months from the date of production  
(stored in a dry and cool place ).  
**Full cure after** : 7 days  
**Flash point** : base 40°C and hardener 35°C

### Surface preparation and condition

- New and previously painted surfaces should be dry and free from all loose and flaking materials, dirt, grease, wax, and similar contamination.
- Substrate temperature should not be less than 5°C and at least 3°C higher than the dew point.
- If applied over existing epoxy paint work, all painted surfaces should be stripped properly.
- When mixing two components part ( A ) and part ( B ), the mixing should be thorough and the mixture should be allowed to stand for 10 minutes before application start. Failure to do this results in uneven cure and surface defects.
- Humidity during application should not be higher than 85%
- Mixing ratio : by volume : base to hardener 3 : 1
- The temperature of the mixed base and hardener should be normal, otherwise extra solvent may be required to obtain the correct application viscosity.
- Thinner should not be added after proper mixing of the base and hardener.
- Too much solvent will result in lower sag resistance and slower cure .

### Application guide line

#### Instrument for use

##### ( Brush and Roller )

Volume of thinner : approx.5 – 10 %  
Recommended thinner : Epoxy reducer TN - 05

##### ( Airless spray )

Volume of thinner : approx. 0 – 5 %  
Recommended thinner : Epoxy reducer TN - 05

##### ( Air spray )

Volume of thinner : approx.10 – 20 %  
Recommended thinner : Epoxy reducer TN - 05

**Cleaning Solvent** : Epoxy reducer TN - 05

The information provided in this datasheet supersedes those provided earlier. Arabian Building Chemicals Factory has the right to change Product data without any notice.

Manufactured by: Arabian Building Chemicals Factory – Jeddah , Saudi Arabia